Published by the

Pacific Coast Entomological Society

in cooperation with

The California Academy of Sciences

VOLUME FORTY-EIGHT

1972

EDITORIAL BOARD

R. W. THORP, *Editor*
R. O. SCHUSTER, *Assistant Editor*
E. G. LINSLEY
HUGH B. LEECH
E. S. ROSS
P. D. HURD, JR.
P. H. ARNAUD, JR., *Treasurer*
W. H. LANGE, *Advertising*

PUBLICATION COMMITTEE

1972	1973	1974
H. V. Daly, Chairman	D. D. Linsdale	J. A. Powell
A. A. Grigarick	E. I. Schlinger	M. A. Gardner

San Francisco, California
1972

CONTENTS FOR VOLUME 48

Arnaud, P. H., Jr.
Obituary Notice—G Dallas Hanna 59
Thomas Wrentmore Cook entomology library 63
Sound production in *Agrilus pulchellus* Bland 69
High flight of butterflies in San Francisco 72
Mass movement of *Sympetrum corruotum* (Hagen) (Odonata: Libellulidae) in central California 75
Distribution of *Enlinia californica* (Diptera: Dolichopodidae) in Oregon 77
Butterflies at flowers of *Escallonia rubra* (Saxifragaceae) in central California 78

Bell, L. N.
Notes on dry-season survival in two species of Elmidae 218

Bohart, R. M. and E. E. Grissell
Nesting habits and larva of *Pulverro monticola* 145

Bohart, R. M. and R. O. Schuster
A host record for *Fedtschenkia* 149

Book Notices 85, 96, 120, 276

Book Reviews 61, 252, 269, 276

Brothers, D. R.
A new species of *Thaumalea* from California 121

Burke, H. R.
Book Review: Curculionidae Tribe Ophryastini of North America (Coleoptera) 61

Cheeseman, D. T., Jr. and P. Preissler
Larval distribution of *Paraclunio alaskensis* at Point Pinos sewage outfall, Monterey County, California 204

Chemsak, J. A.
Review of the genus *Cirrhicera* Thomson 86
A new seed inhabiting ceramycid from Costa Rica 150

Clement, S. L.
Notes on the biology and larval morphology of *Stenodynerus canus canus* 271

Cohen, S. D. and R. K. Allen
New species of *Baetodes* from Mexico and Central America 123

Dailey, D. C.
Contiguous areas of Arizona and Pacific Slope floras in northern Baja California, Mexico 74

Davies, T. W.
Oviposition of the California Damsel fly, *Archilestes californica* MacLachlan 68

Edmunds, G. F., Jr. and K. W. Koss
A review of the Acanthametropodinae with a description of a new genus 136

Erwin, T. L.
The lost type of *Brachinus sallei* Chaudoir 63
Observations on the life history of bombardier beetles: mechanism of egg-hatching 64

Fender, K. M.
Two new California species of *Silis* 215
A new species of *Rhagonycha* from Alaska 242

Fisher, T. W. and R. E. Orth
Resurrection of *Sepedon pacifica* Cresson and redescription of *Sepedon praemiosa* Giglio-Tos with biological notes 8

Gabel, J. R.
Further observations of theraphosid tarantula burrows 72

Gillogly, L. R.
A new species of *Mystrops* from Costa Rica 116

Grigarick, A. A. and R. O. Schuster
Synonymy of the pselaphid beetles *Actium retractum* and *A. hatchi* 278

Hall, J. C.
New North American Heterotropinae 37

Halstead, T. F.
A review of the genus Arhaphe Herrich-Schaffer 1
Notes and synonymy in *Largus* Hahn with a key to United States species 246

Hjelle, J. T.
Some observations on tarantula behavior 71
Book Review: How to know the spiders 276

Huckett, H. C.
Notes on Bigot's North American type-specimens at the University Museum, Oxford 81

Johnson, C. D.
Correction 243

Lang, J. D.
Notes on the feeding habits of *Haemolaelaps glasgowi* 203

Langston, R. L.
The Sonora Blue—1971 the earliest season for the north 67

Leech, H. B.
F. C. Hottes, 1899–1970 67
Death of E. R. Leach 74
On the photocopying of entomological literature 76
The Australian sod fly *Altermetoponia rubriceps* (Macquart) in Marin County, California 76

Linsley, E. G.
The robber fly *Callinicus calcaneus* (Loew) as a predator on *Andrena omninigra* Viereck 94

Marer, P. J.
An eye deformity in a tarantula spider, *Aphonopelma reversum* .. 221

Martin, C. H.
A new species of *Leptopteromyia* 270

Mayo, V. K.
New species of the genus *Baetodes* 226

Moore, I.
Notes on *Diaulota harteri* with new synonymy 218
Xystridiogaster Scheerpeltz, a synonym of *Paracraspedomerus* Moore 218

Moore, I. and E. F. Legner
Two new species of *Orus* from California 249

Moser, J. C. and L. M. Roton
Reproductive compatibility between two widely separated populations of *Pyemotes scolyti* 97

Notice 107

Obituary Notice 59

Parkin, P., D. T. Parkin, A. W. Ewing and H. A. Ford.
A report on the arthropods collected by the Edinburgh University Galapagos Islands Expedition, 1968 100

Philip, C. B.
The red dragonflies of Tokyo 67

Pinto, J. D.
Notes on the Caviceps Group of the genus *Epicauta* with descriptions of first instar larvae 253
New synonymy in the genus *Meloe* 278

Powell, J. A.
Mass movements of *Nymphalis californica* 72
Mass movements of *Nymphalis californica* (Boisduval) in the San Francisco Bay area during 1971 144
Additional prey records for the forest-dwelling spider wasp, *Priocnemis oregona* 277

Proceedings, Pacific Coast Entomological Society 66

Raske, A. G.
Immature forms, genitalia, and notes on the biology of *Anelaphus albofasciatus* Linnell 21

Sakagami, S. F.
Bumble bees collected by the California Academy—Lingnan Dawn—redwood Expedition to Central West China, 1948 .. 153

Schlising, R. A.
Foraging and nest provisioning behavior of the oligolectic bee, *Diadasia bituberculata* 175

Schroeter, G. L. and G. M. Hewitt
Cytology of some California grasshoppers I. Taxonomic considerations 27

Shields, O.
Flower visitation records for butterflies 189

Society Announcements—Usinger Autobiography 135, 219, 279

Spilman, T. J.
A new genus and species of jumping shore beetle from Mexico 108

Summers, F. M. and R. L. Witt
Nesting behavior of *Cheyletus eruditus* 261

Tamaki, G., R. E. Weeks and B. J. Landis
Biology of the zebra caterpilar, *Ceramica picta* 208

Thorp, R. W.
Book Review: The lives of wasps and bees 252
Book Review: The insect realm. A guide to the hall of insects .. 269

Wilcox, J.
The genus *Sintoria* Hull 51

Wirth, W. W. and N. C. Ratanaworabhan
A new genus of biting midge from California related to *Neurohelea* Kieffer 244

Zoological Nomenclature 65